

Parameter	Value	Unit
Temperature	25	°C
Pressure	1	atm
Time	10	min
Concentration	0.1	M
Volume	10	ml
Flow rate	1	ml/min
Wavelength	254	nm
Path length	1	cm
Reagent	0.1	M
Substrate	0.1	M
Enzyme	0.1	U
Buffer	0.1	M
pH	7.4	
Temperature	25	°C
Pressure	1	atm
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ATGTGGAATGGATACTGACACATTGTGCCTCAGCCTTCCCCACCTGCCCGGCTGCTGC
1-----+-----+-----+-----+-----+-----+-----+
TACACCTTTACCTATGACTGTGTAAACACGGAGTCGGAAGGGGTGGACGGGCCGACGACG
60

M W K W I L T H C A S A F P H L P G C C

TGCTGCTGCTTTTGTGGTGCTCTTCCGTCCCTGTACCTGCCAAGCCCTT
61 - + - + - + - + - + - + - + - + - + - + - + - + - + - +
ACGACGCAGAAAAACAACGACAAGAACCACAGAAGCAGGGACAGTGGACCGTTCGGGAA
120

C C C F L L L F L V S S V P V T C Q A L

GGTCAGGACATGGTGTACCAGAGGCCAACCTTTCTCCTCCTCTCTCTCTCT
-----+-----+-----+-----+-----+-----+
121
CCAGTCCTGTACCACAGTGGTCTCCGGTGTTGAGAAGAAGGAGGGAAGAGGAGGA
-----+-----+-----+-----+-----+-----+ 180

G Q D M V S P E A T N S S S S F S S P

181 TCCAGCGGGGAAGGCATGTgCGGAGCTACAAATCACCTTCAAGGAGATGTCCGCTGGAGA
-----+-----+-----+-----+-----+-----+ 240
AGGTGCGGCCCTTCCGTACAcGCCCTCGATGTTAGTGGAAAGTTCCCTCTACAGGGCGACCTCT

SSAGRHVRSYNHLQGDVRR

MATCH WITH FIG. 1B

FIG. 1A

MATCH WITH FIG.1A

241 AAGCTATTCTCTTTACACCAAGTACTTTCTCAAGATTGAGAAGAACGGGAAGGTCAGCGGG
 -----+-----+-----+-----+-----+-----+-----+
 300 TTCGATAAGAGAGAAAGTGGTTCATGAAGAGGTTCTAACICTCTTCTTGCCCTTCCAGTCGCCCC

K L F S F T K Y F L K I E K N G K V S G

301 ACCAAGAAGGAGAACTGCCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTT
 -----+-----+-----+-----+-----+-----+-----+
 360 TGGTTCTTCCCTCTTGACGGGCATGTCGTAGGACCTCTATTGTAGTCATCTTTAGCCTCAA

T K K E N C P Y S I L E I T S V E I G V

361 GTTGCCGTCAAAGCCATTAAACAGCAACTATTACTTAGCCATGAACAAGAGGGGAAACTC
 -----+-----+-----+-----+-----+-----+-----+
 420 CAACGGCAGTTTCGGTAATTGTCGTTGATAATGAATCGGTACTTGTTCTTCCCTTTGAG

V A V K A I N S N Y Y L A M N K K G K L

421 TATGGCTCAAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGA
 -----+-----+-----+-----+-----+-----+-----+
 480 ATACCGAGTTTCTTAAATTGTTACTGACATTGACTTCCTCTCTATCTCCTTTTACCT

Y G S K K E F N N D C K L K E R I E E N G

MATCH WITH FIG.1C

FIG.1B

MATCH WITH FIG.1B

481	TACAATACCTATGCATCATTTAACTGGCAGCATAATGGAGGCAAATGTATGTGGCATTG	540
	-----+-----+-----+-----+-----+-----+-----+	
	ATGTTATGGATACGTAGTAATTGACCGTCGTATTACCCCTCCGTTTACATACACCGTAAC	
	Y N T Y A S F N W Q H N G R Q M Y V A L	
541	AATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAAACACGAAGGAAAAACACCTCTGCTCAC	600
	-----+-----+-----+-----+-----+-----+-----+	
	TTACCTTTTCCTCGAGGTTCCCTCCTGCTCTTTTGCTTCCTTTTGTGGAGACGAGTG	
	N G K G A P R R G Q K T R R K N T S A H	
601	TTTCTTCCAATGGTGGTACACTCATAG	627
	-----+-----+-----+-----+-----+-----+-----+	
	AAAGAAGGTTACCACCATGTGAGTATC	
	F L P M V V H S *	

FIG.1C

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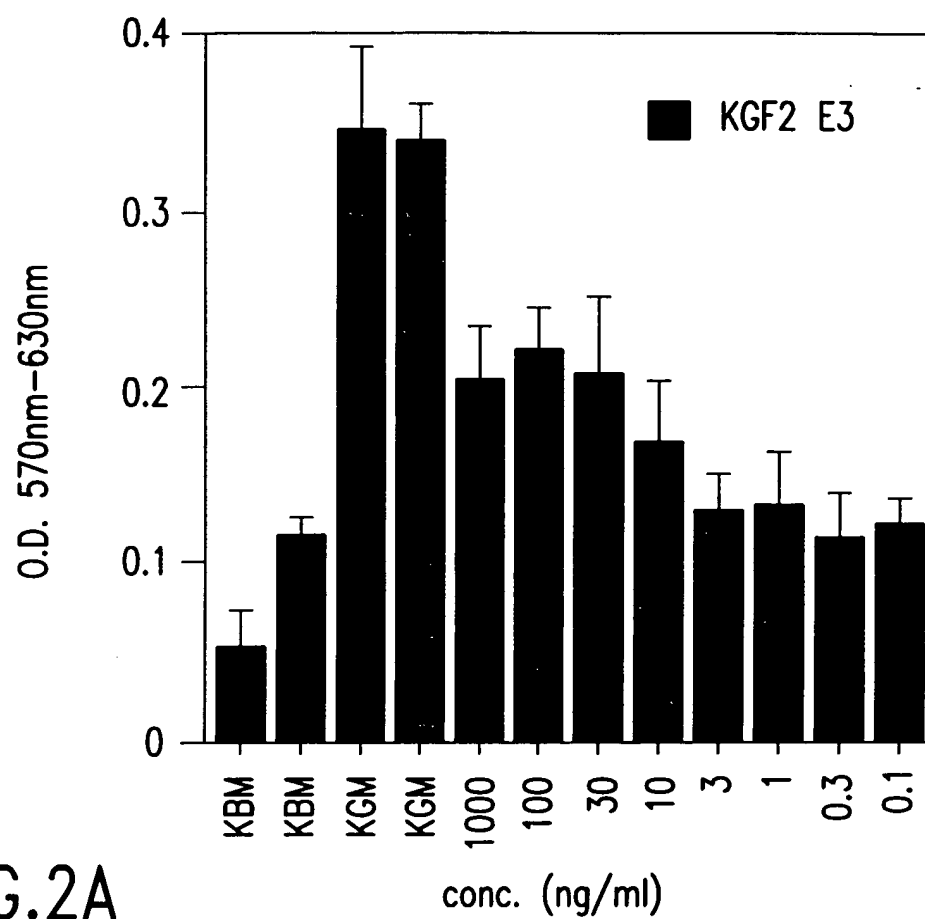


FIG.2A

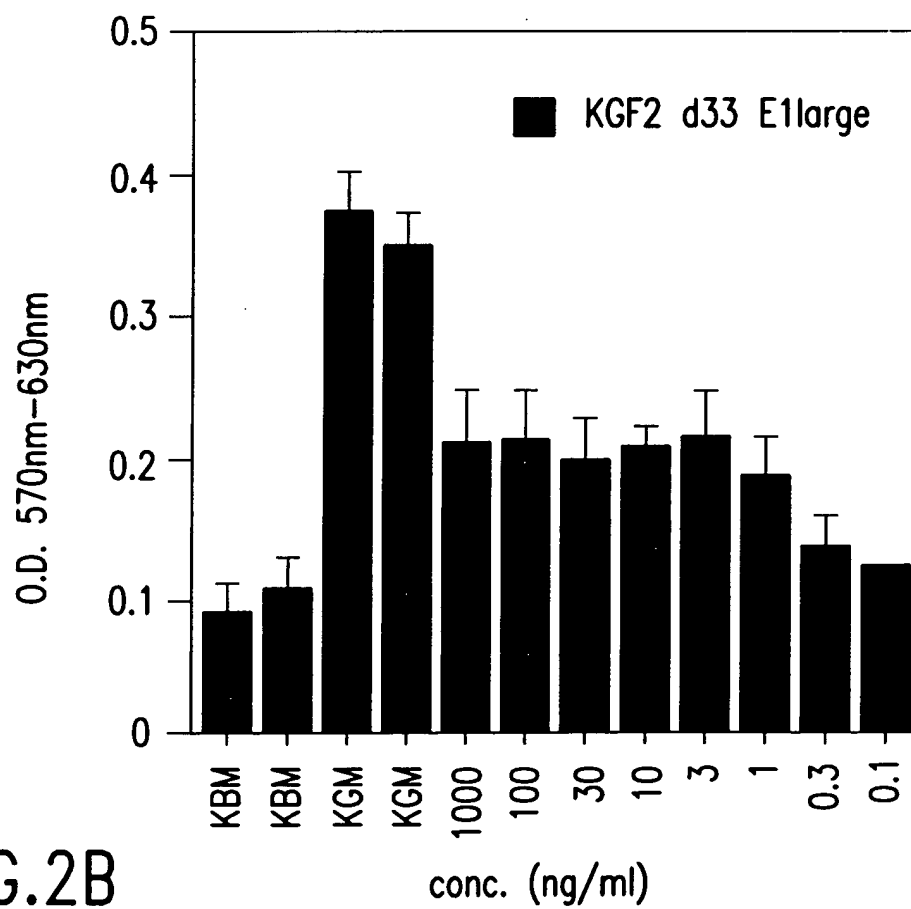


FIG.2B

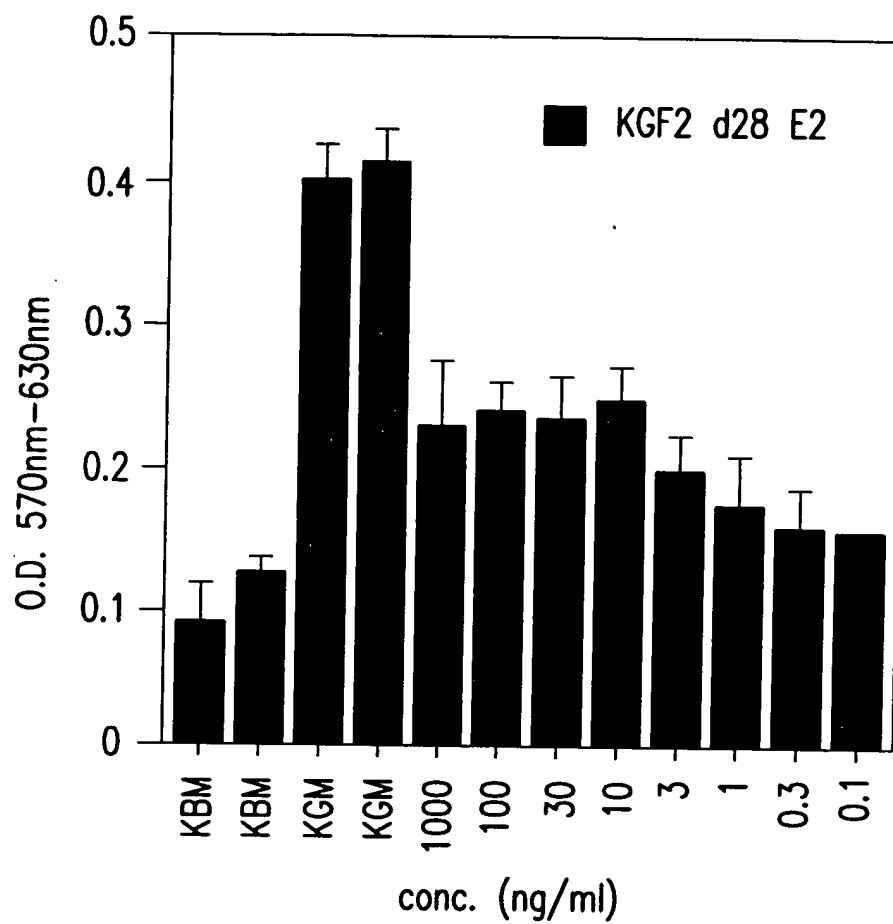


FIG.2C

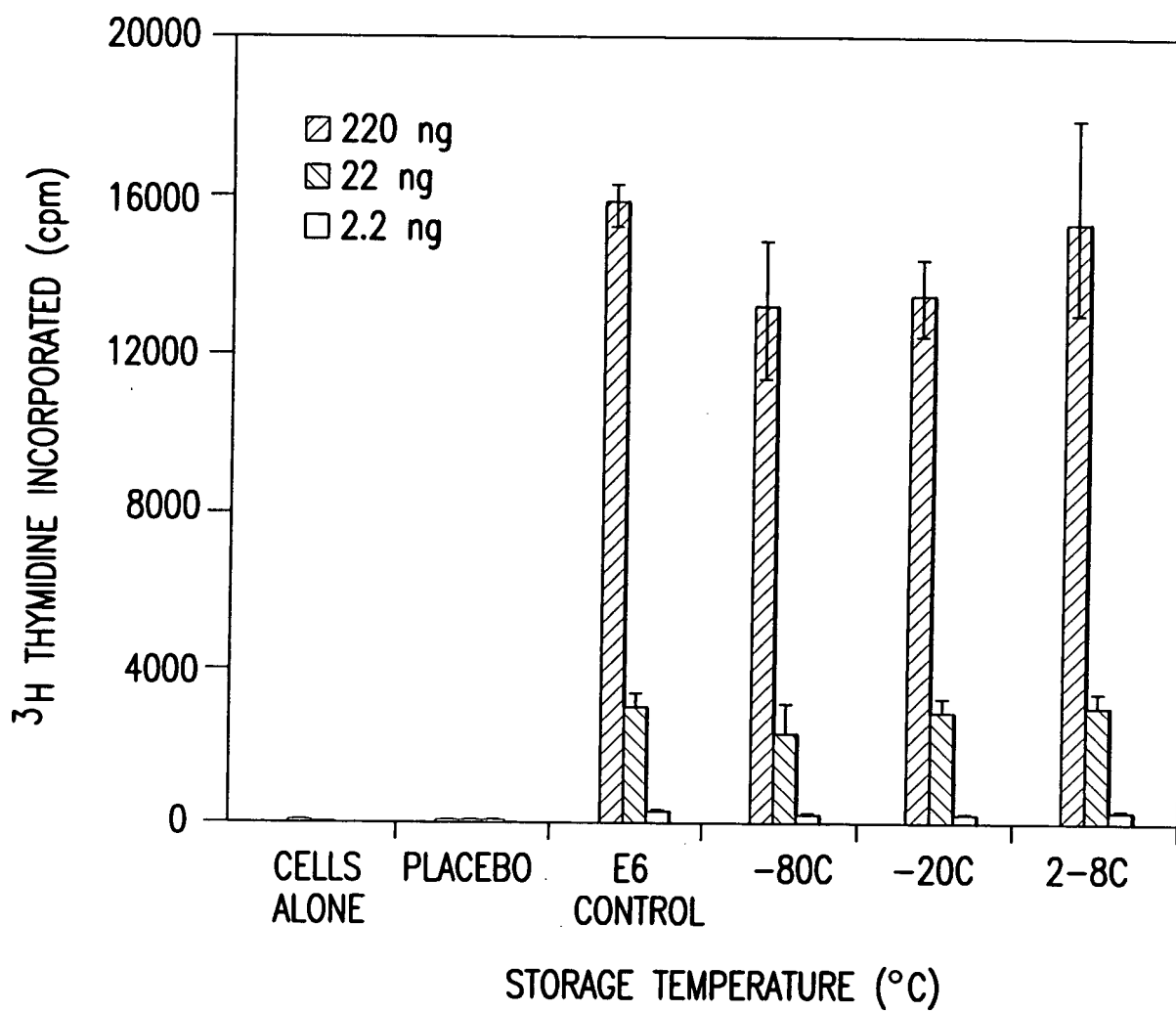


FIG.3

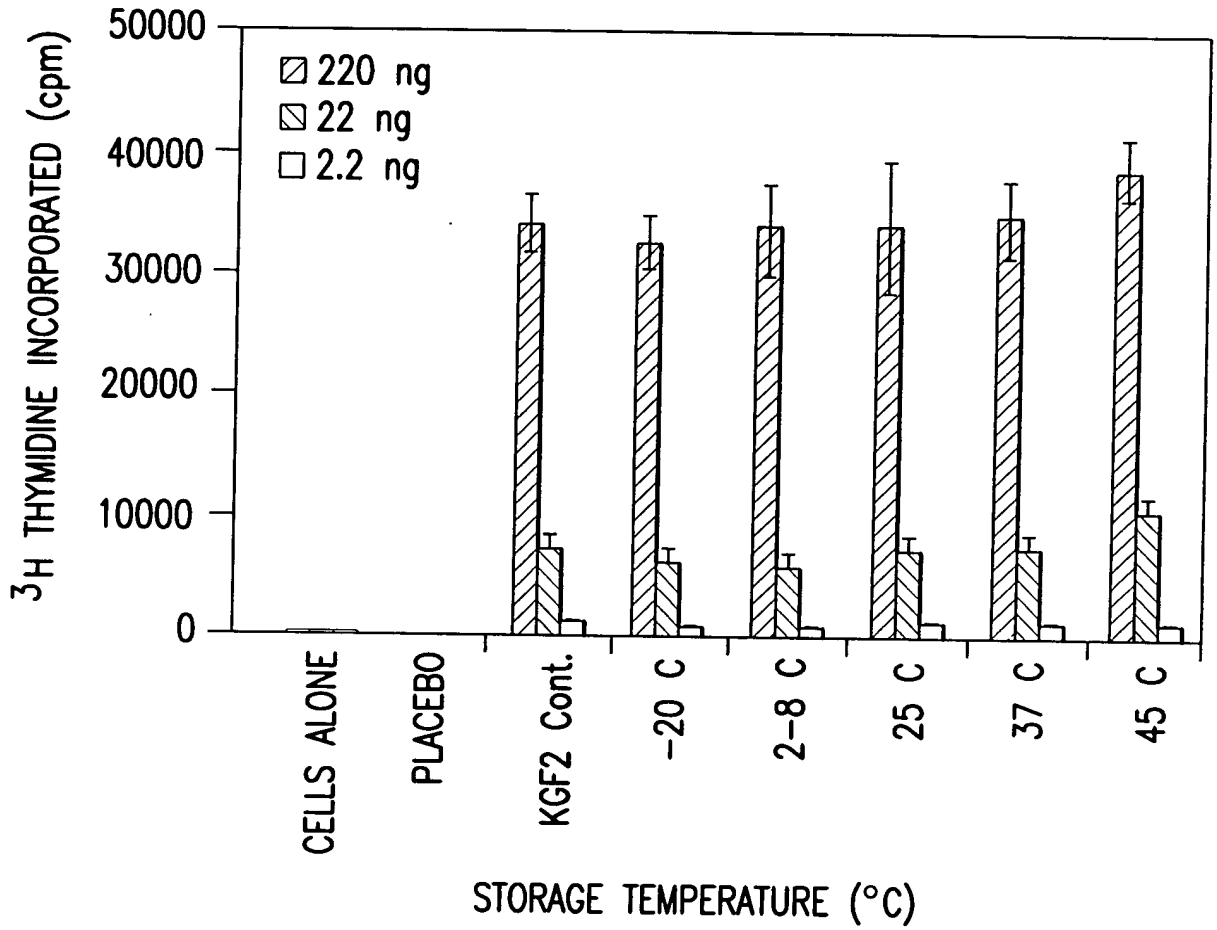


FIG.4

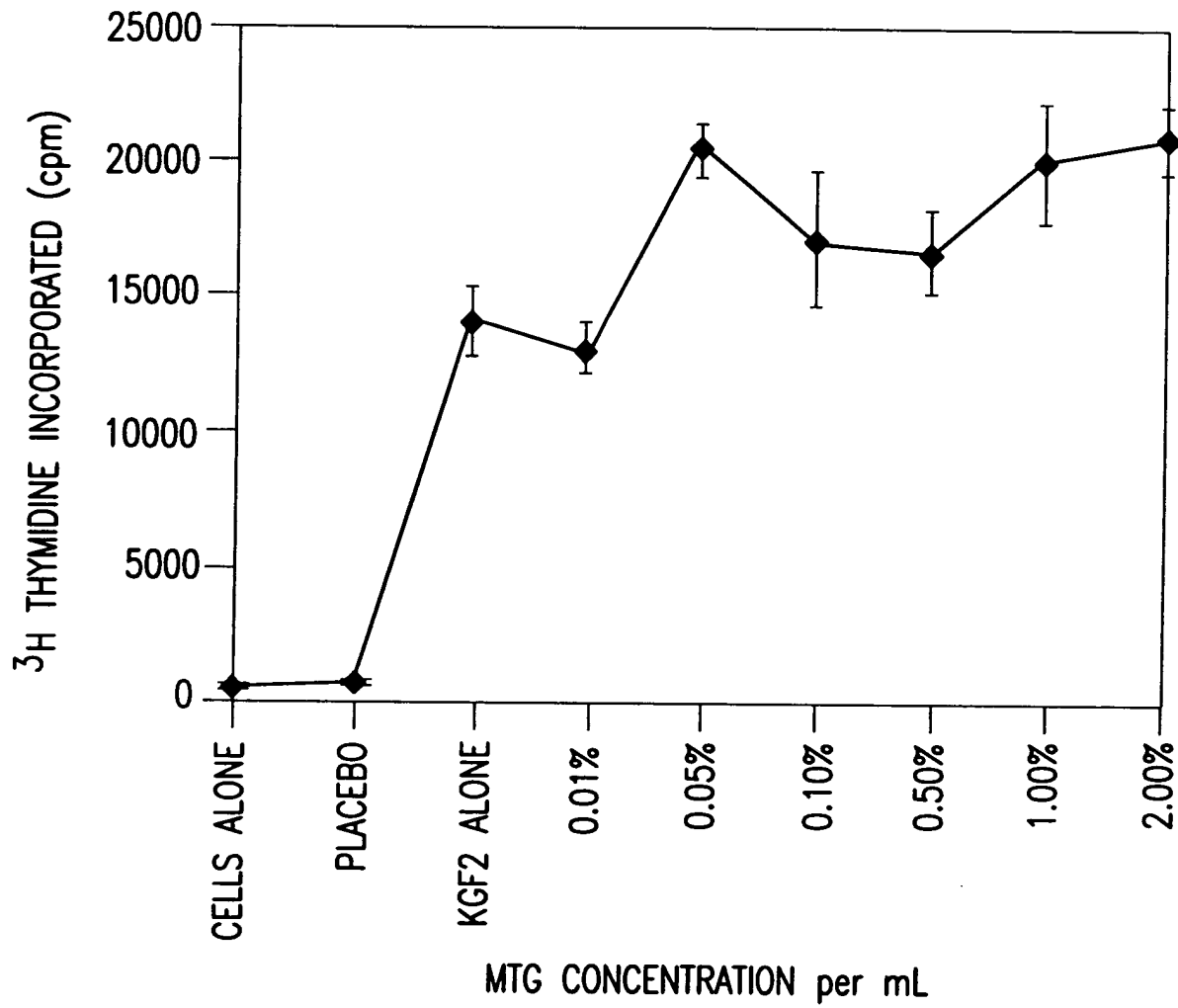


FIG.5